

Table 1 - Metal Loads from Selected Adits in the Upper Animas Basin

			High Flow (Pounds per day)					
Mine	%Removal	\$ 1000's	Al	Cd	Cu	Fe	Mn	Zn
Cement Creek								
<i>Gold King 7 level</i>			<i>98.7</i>	<i>0.186</i>	<i>17.6</i>	<i>360</i>	<i>73.9</i>	<i>71.3</i>
<i>Red & Bonita</i>			<i>13.3</i>	<i>0.13</i>	<i>0.081</i>	<i>318</i>	<i>118</i>	<i>56.6</i>
<i>American Tunnel</i>			<i>8.6</i>	<i>0.004</i>	<i>0.011</i>	<i>215</i>	<i>74.8</i>	<i>29.2</i>
<i>Mogul (2009)</i>			<i>3.1</i>	<i>0.05</i>	<i>0.04</i>	<i>32</i>	<i>27.2</i>	<i>29.1</i>
Silver Ledge	50%	300	25	0.09	0.6	222	33	15
Grand Mogul	0%	60	15	0.15	5.3	33	10	27
Anglo-Saxon	30%	60	0	0	0	15	10	2
Big Colorado	50%	300	1	0	0	3	3	0
Porcupine	30%	60	0	0	0	14	5	1
Lewis property	50%	60	0	0.01	0.4	2	0	1
Mineral Creek								
North Star	50%	300	0	0.02	0.1	6	16	4
Junction Mine	50%	300	13	0.07	2.2	126	3	14
Bandora Mine	30%	60	0	0.04	0.1	5	4	10
Upper Bonner	50%	300	1	0	0	1	1	1
Ferrocete Mine	50%	300	2	0	0	31	5	1
Paradise	0%	60	28	0	0.1	246	20	2
Brooklyn Mine	30%	300	1	0.01	0.2	8	2	2
Little Dora	50%	300	1	0.33	0.9	5	653	48

Animas above Eureka								
Vermillion Mine	50%	300	0	0.04	0.2	2	1	9
Columbus	50%	300	1	0.01	0.3	3	0	9
Lower Comet	0%	10	2	0	0.1	2	2	1
N side of Calif. Mtn.	30%	60	4	0.01	0	1	5	2
Sound Democrate	50%	60	0	0	0.1	0	4	1
Mountain Queen	50%	300	0	0	0.2	1	0	1
Bagley	30%	300	0	0.01	0	0	13	7
Senator	30%	300	0	0	0	21	7	0
Animas below Eureka								
Royal Tiger	50%	300	5	0.04	0.8	0	3	7
Little Nation	30%	300	0	0	0	9	2	1
Grand Total Pre-2001			99	0.83	11.6	756	802	166
Total CC Increase (2009)			123	0.33	16	911	290	184
Sum of Two Lines Above			222	1.16	27.6	1667	1092	350
Average of High and Low Flows			175.8	0.8275	22	1437	743	276

n the Upper Animas Basin

Low Flow

Al	Cd	Cu	Fe	Mn	Zn
<u>60.1</u>	<u>0.162</u>	<u>15.4</u>	<u>224</u>	<u>86.1</u>	<u>60.3</u>
<u>13.5</u>	<u>0.136</u>	<u>0.021</u>	<u>356</u>	<u>129</u>	<u>61.9</u>
<u>7</u>	<u>0.003</u>	<u>0.008</u>	<u>192</u>	<u>66</u>	<u>26.3</u>
<u>2</u>	<u>0.034</u>	<u>0.017</u>	<u>21</u>	<u>19.1</u>	<u>21.1</u>
4	0.03	0	56	11	3
1	0.01	0.2	0	0	1
0	0.01	0	15	5	1
1	0	0	6	0	0
0	0	0	10	5	1
0	0.01	0.4	2	0	1

1	0.02	0.2	6	11	3
0	0	0.1	3	0	0
0	0.02	0	2	2	4
2	0.01	0	2	1	1
3	0.01	0	32	7	1
28	0	0.1	246	20	2
1	0.01	0.2	8	2	2
0	0	0	0	2	0

0	0.01	0.1	1	0	3
0	0.02	0.1	1	0	4
2	0	0	1	1	1
4	0.01	0	1	5	2
0	0	0	0	2	0
0	0	0.1	0	0	0
0	0.01	0	0	6	3
1	0	0	23	14	2

0	0	0.1	0	0	0
0	0	0	4	1	0

48	0.18	1.6	419	95	35
----	------	-----	-----	----	----

81.6	0.315	14.8	788	299	167
------	-------	------	-----	-----	-----

129.6	0.495	16.4	1207	394	202
-------	-------	------	------	-----	-----
